



**DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

WinDoor, Inc.
7500 Amsterdam Drive
Orlando, FL 32832

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "9020" Aluminum Fixed Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. **08-01635**, titled "9020 Picture Window – Small Missile Impact" sheets 1 through 9 of 9, dated 06/20/12, with revision A dated 10/24/12, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



Handwritten signature and date: 11/20/12

NOA No. 12-0627.06
Expiration Date: November 29, 2017
Approval Date: November 29, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **08-01635**, titled "9020 Picture Window - Small Missile Impact", sheets 1 through 9 of 9, dated 06/20/12, with revision A dated 10/24/12, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with installation diagram of an aluminum fixed window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3778-1**, Specimens 1, 2, 3, 4, 5, 6, 7, 8 and 9, dated 04/17/12, signed and sealed by Gerald J. Ferrara, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with installation diagram of an aluminum fixed window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3778-2**, Specimens 1, 2, 3, 4, 5, 6 and 7, dated 04/17/12, signed and sealed by Gerald J. Ferrara, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, dated 06/11/12 and 06/18/12, prepared, signed and sealed by Luis R. Lomas, P.E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.



Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0627.06

Expiration Date: November 29, 2017
Approval Date: November 29, 2012


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated June 20, 2012, signed and sealed by Luis R. Lomas, P.E.
2. Laboratory compliance letter for Test Reports No. **NCTL-210-3778-1** and **NCTL-210-3778-2**, issued by National Certified Testing Laboratories, dated 04/17/12, all signed and sealed by Gerald J. Ferrara, P.E.
3. Proposal No. **11-0495** issued by Product Control Section, dated May 23, 2011, revised on July 06, 2011, signed by Manuel Perez, P.E.

G. OTHER

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0627.06
Expiration Date: November 29, 2017
Approval Date: November 29, 2012

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CALL OUTS	10/24/12	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
5. FRAME MATERIAL: ALUMINUM 6063-T6.
6. UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 4 FOR GLASS OPTIONS.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS WHEN INSTALLED ABOVE 30FT HEIGHT.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
10. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING INTO METAL STRUCTURE USE #12 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
12. ALL FASTENERS TO BE CORROSION RESISTANT.
13. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 - 5	ELEVATIONS AND CHARTS
6	CROSS SECTIONS AND B.O.M.
7 - 8	INSTALLATION DETAILS
9	COMPONENTS

Approved as complying with the
Florida Building Code
Date NOV 24 2012
NOA# 12-0627.06
Miami Dade Product Control

By Manuel

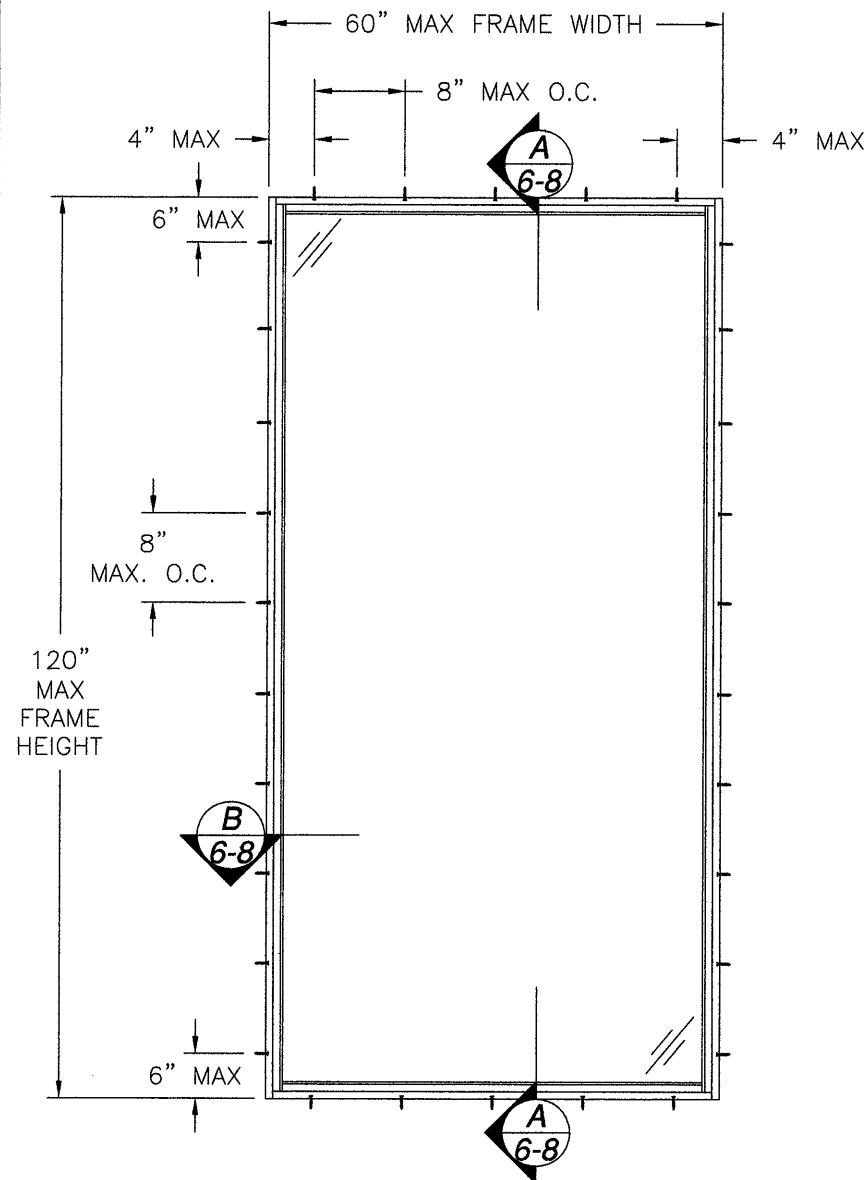
WinDoor
INCORPORATED

7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
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Fax: 407.481.0505
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9020 PICTURE WINDOW
SMALL MISSILE IMPACT
NOTES

DRAWN: A.P.	DWG NO. 08-01635	REV A
SCALE NTS	DATE 06/20/2012	SHEET 1 OF 9

Luis R. Lomas
11/01/12
Luis R. Lomas P.E.
Florida No. 62514



9020 PICTURE WINDOW
EXTERIOR VIEW

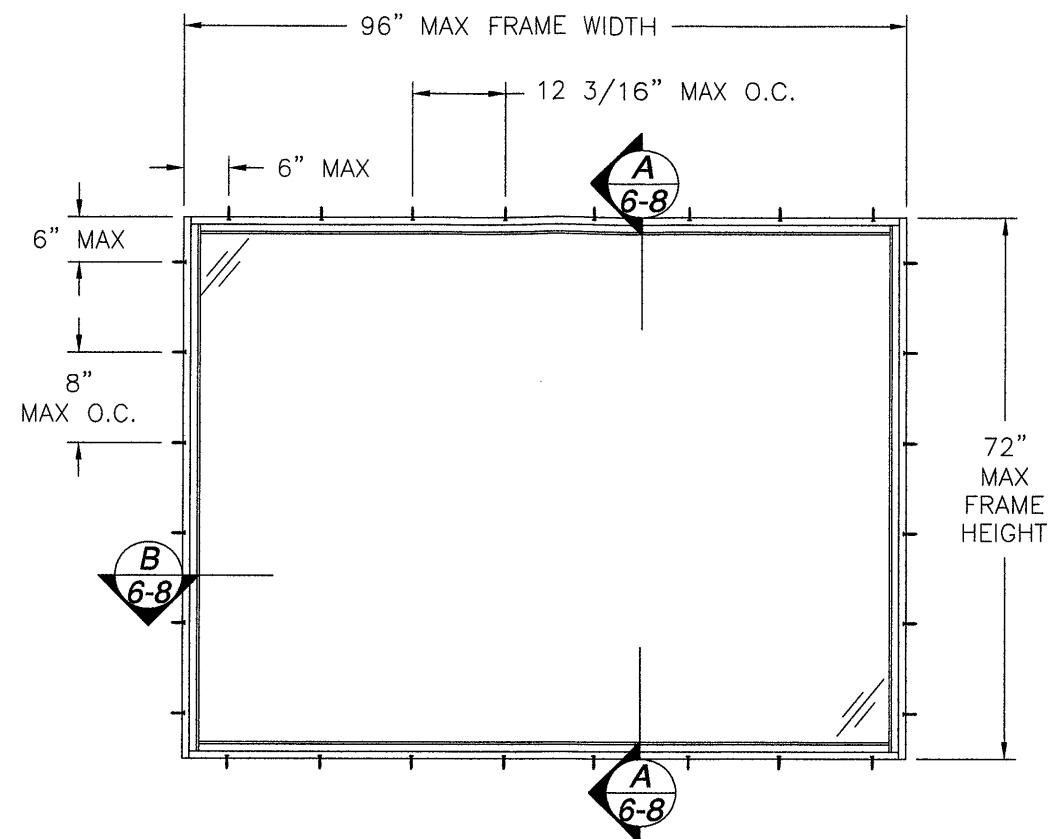
REFER TO CHARTS IN SHEET 3 FOR SMALLER UNITS RATINGS

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 100.0\text{PSF}$	SMALL MISSILE IMPACT

MISSILE LEVEL A, WIND ZONE 4
WITH GLAZING A

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 90.0\text{PSF}$	SMALL MISSILE IMPACT

MISSILE LEVEL A, WIND ZONE 4
WITH GLAZING B AND C



9020 PICTURE WINDOW
EXTERIOR VIEW

REFER TO CHARTS IN SHEET 3 FOR SMALLER UNITS RATINGS

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 110.0\text{PSF}$	SMALL MISSILE IMPACT

MISSILE LEVEL A, WIND ZONE 4
WITH GLAZING A

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 100.0\text{PSF}$	SMALL MISSILE IMPACT

MISSILE LEVEL A, WIND ZONE 4
WITH GLAZING B AND C

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CALL OUTS	10/24/12	R.L.

Approved as complying with the
Florida Building Code
Date Nov. 29, 2012
NOA# 12-0677-06
Miami-Dade Product Control
By Manuel Perez

WinDoor
INCORPORATED

7500 AMSTERDAM DRIVE
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Phone: 407.481.8400
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9020 PICTURE WINDOW
SMALL MISSILE IMPACT
ELEVATIONS AND CHARTS

DRAWN: A.P.	DWG NO. 08-01635	REV A
SCALE NTS	DATE 06/20/2012	SHEET 2 OF 9

Luis R. Lomas
11/21/12

Luis R. Lomas P.E.
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CALL OUTS	10/24/12	R.L.

Design pressure rating for units with glazing A (psf)																										
Frame Height (in)	Frame width (in)																									
	24.0		30.0		36.0		42.0		48.0		54.0		60.0		66.0		72.0		78.0		84.0		90.0		96.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	147.3	147.3	146.0	146.0	144.7	144.7	143.3	143.3	142.0	142.0	140.7	140.7	139.3	139.3	138.0	138.0	136.7	136.7	135.3	135.3	134.0	134.0	132.7	132.7	131.3	131.3
30.0	146.0	146.0	145.8	145.8	144.2	144.2	142.5	142.5	140.8	140.8	139.2	139.2	137.5	137.5	135.8	135.8	134.2	134.2	132.5	132.5	130.8	130.8	129.2	129.2	127.5	127.5
36.0	144.7	144.7	144.2	144.2	144.0	144.0	142.0	142.0	140.0	140.0	138.0	138.0	136.0	136.0	134.0	134.0	132.0	132.0	130.0	130.0	128.0	128.0	126.0	126.0	124.0	124.0
42.0	143.3	143.3	142.5	142.5	142.0	142.0	141.8	141.8	139.5	139.5	137.2	137.2	134.8	134.8	132.5	132.5	130.2	130.2	127.8	127.8	125.5	125.5	123.2	123.2	120.8	120.8
48.0	142.0	142.0	140.8	140.8	140.0	140.0	139.5	139.5	139.3	139.3	136.7	136.7	134.0	134.0	131.3	131.3	128.7	128.7	126.0	126.0	123.3	123.3	120.7	120.7	118.0	118.0
54.0	140.7	140.7	139.2	139.2	138.0	138.0	137.2	137.2	136.7	136.7	136.5	136.5	133.5	133.5	130.5	130.5	127.5	127.5	124.5	124.5	121.5	121.5	118.5	118.5	115.5	115.5
60.0	139.3	139.3	137.5	137.5	136.0	136.0	134.8	134.8	134.0	134.0	133.5	133.5	133.3	133.3	130.0	130.0	126.7	126.7	123.3	123.3	120.0	120.0	116.7	116.7	113.3	113.3
66.0	138.0	138.0	135.8	135.8	134.0	134.0	132.5	132.5	131.3	131.3	130.5	130.5	130.0	130.0	129.8	129.8	126.2	126.2	122.5	122.5	118.8	118.8	115.2	115.2	111.5	111.5
72.0	136.7	136.7	134.2	134.2	132.0	132.0	130.2	130.2	128.7	128.7	127.5	127.5	126.7	126.7	126.2	126.2	126.0	126.0	122.0	122.0	118.0	118.0	114.0	114.0	110.0	110.0
78.0	135.3	135.3	132.5	132.5	130.0	130.0	127.8	127.8	126.0	126.0	124.5	124.5	123.3	123.3	-	-	-	-	-	-	-	-	-	-	-	-
84.0	134.0	134.0	130.8	130.8	128.0	128.0	125.5	125.5	123.3	123.3	121.5	121.5	120.0	120.0	-	-	-	-	-	-	-	-	-	-	-	-
90.0	132.7	132.7	129.2	129.2	126.0	126.0	123.2	123.2	120.7	120.7	118.5	118.5	116.7	116.7	-	-	-	-	-	-	-	-	-	-	-	-
96.0	131.3	131.3	127.5	127.5	124.0	124.0	120.8	120.8	118.0	118.0	115.5	115.5	113.3	113.3	-	-	-	-	-	-	-	-	-	-	-	-
102.0	130.0	130.0	125.8	125.8	122.0	122.0	118.5	118.5	115.3	115.3	112.5	112.5	110.0	110.0	-	-	-	-	-	-	-	-	-	-	-	-
108.0	128.7	128.7	124.2	124.2	120.0	120.0	116.2	116.2	112.7	112.7	109.5	109.5	106.7	106.7	-	-	-	-	-	-	-	-	-	-	-	-
114.0	127.3	127.3	122.5	122.5	118.0	118.0	113.8	113.8	110.0	110.0	106.5	106.5	103.3	103.3	-	-	-	-	-	-	-	-	-	-	-	-
120.0	126.0	126.0	120.8	120.8	116.0	116.0	111.5	111.5	107.3	107.3	103.5	103.5	100.0	100.0	-	-	-	-	-	-	-	-	-	-	-	-

Design pressure rating for units with glazing B and C (psf)																												
Frame Height (in)	Frame width (in)																											
	24.0		30.0		36.0		42.0		48.0		54.0		60.0		66.0		72.0		78.0		84.0		90.0		96.0			
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg		
24.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.0	124.0	122.7	122.7	121.3	121.3		
30.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.2	124.2	122.5	122.5	120.8	120.8	119.2	119.2	117.5	117.5
36.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.0	124.0	122.0	122.0	120.0	120.0	118.0	118.0	116.0	116.0	114.0	114.0		
42.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.8	124.8	122.5	122.5	120.2	120.2	117.8	117.8	115.5	115.5	113.2	113.2	110.8	110.8		
48.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	124.0	124.0	121.3	121.3	118.7	118.7	116.0	116.0	113.3	113.3	110.7	110.7	108.0	108.0		
54.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	123.5	123.5	120.5	120.5	117.5	117.5	114.5	114.5	111.5	111.5	108.5	108.5	105.5	105.5		
60.0	125.0	125.0	125.0	125.0	125.0	125.0	124.8	124.8	124.0	124.0	123.5	123.5	123.3	123.3	120.0	120.0	116.7	116.7	113.3	113.3	110.0	110.0	106.7	106.7	103.3	103.3		
66.0	125.0	125.0	125.0	125.0	124.0	124.0	122.5	122.5	121.3	121.3	120.5	120.5	120.0	120.0	119.8	119.8	116.2	116.2	112.5	112.5	108.8	108.8	105.2	105.2	101.5	101.5		
72.0	125.0	125.0	124.2	124.2	122.0	122.0	120.2	120.2	118.7	118.7	117.5	117.5	116.7	116.7	116.2	116.2	116.0	116.0	112.0	112.0	108.0	108.0	104.0	104.0	100.0	100.0		
78.0	125.0	125.0	122.5	122.5	120.0	120.0	117.8	117.8	116.0	116.0	114.5	114.5	113.3	113.3	-	-	-	-	-	-	-	-	-	-	-	-		
84.0	124.0	124.0	120.8	120.8	118.0	118.0	115.5	115.5	113.3	113.3	111.5	111.5	110.0	110.0	-	-	-	-	-	-	-	-	-	-	-	-		
90.0	122.7	122.7	119.2	119.2	116.0	116.0	113.2	113.2	110.7	110.7	108.5	108.5	106.7	106.7	-	-	-	-	-	-	-	-	-	-	-	-		
96.0	121.3	121.3	117.5	117.5	114.0	114.0	110.8	110.8	108.0	108.0	105.5	105.5	103.3	103.3	-	-	-	-	-	-	-	-	-	-	-	-		
102.0	120.0	120.0	115.8	115.8	112.0	112.0	108.5	108.5	105.3	105.3	102.5	102.5	100.0	100.0	-	-	-	-	-	-	-	-	-	-	-	-		
108.0	118.7	118.7	114.2	114.2	110.0	110.0	106.2	106.2	102.7	102.7	99.5	99.5	96.7	96.7	-	-	-	-	-	-	-	-	-	-	-	-		
114.0	117.3	117.3	112.5	112.5	108.0	108.0	103.8	103.8	100.0	100.0	96.5	96.5	93.3	93.3	-	-	-	-	-	-	-	-	-	-	-	-		
120.0	116.0	116.0	110.8	110.8	106.0	106.0	101.5	101.5	97.3	97.3	93.5	93.5	90.0	90.0	-	-	-	-	-	-	-	-	-	-	-	-		

Approved as complying with the
Florida Building Code
Date Nov. 29, 2012
NOA# 12-0627-06
Miami Dade Product Control

By Manuel Perez

WinDoor
INCORPORATED

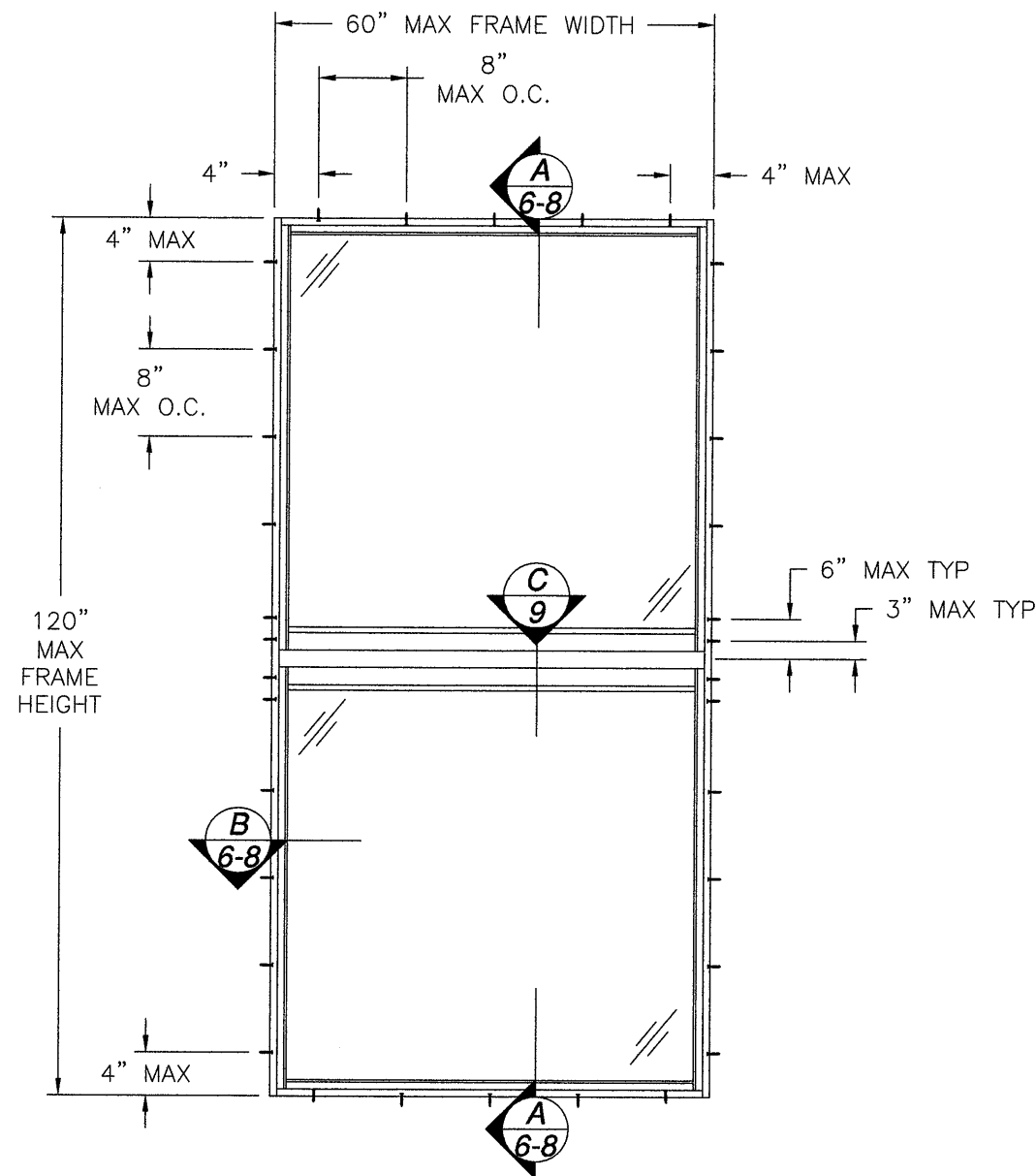
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

9020 PICTURE WINDOW
SMALL MISSILE IMPACT
ELEVATIONS AND CHARTS

DRAWN: A.P.	DWG NO. 08-01635	REV A
SCALE NTS	DATE 06/20/2012	SHEET 3 OF 9

Luis R. Lomas
11/01/12

Luis R. Lomas P.E.
Florida No. 62514



9020 PICTURE WINDOW
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±100.0PSF	SMALL MISSILE IMPACT

MISSILE LEVEL A, WIND ZONE 4
WITH GLAZING A AND B

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CALL OUTS	10/24/12	R.L.

Frame Height (in)	Frame width (in)													
	24.00		30.00		36.00		42.00		48.00		54.00		60.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
36.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
42.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
48.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
54.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
60.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
66.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0
72.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	119.0
78.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	114.0
84.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	109.0
90.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	106.0
96.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	104.0
102.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	123.8	100.0	102.0
108.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	123.5	100.0	101.0
114.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	123.5	100.0	100.0
120.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	125.0	100.0	123.5	100.0	100.0

Approved as complying with the
Florida Building Code
Date Nov. 29, 2012
NOA# 12-0627-06
Miami Dade Product Control
By Maurel Perry

WinDoor
INCORPORATED

7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

9020 PICTURE WINDOW
SMALL MISSILE IMPACT
ELEVATIONS AND CHARTS

DRAWN:
A.P.

DWG NO.
08-01635

REV
A

SCALE NTS

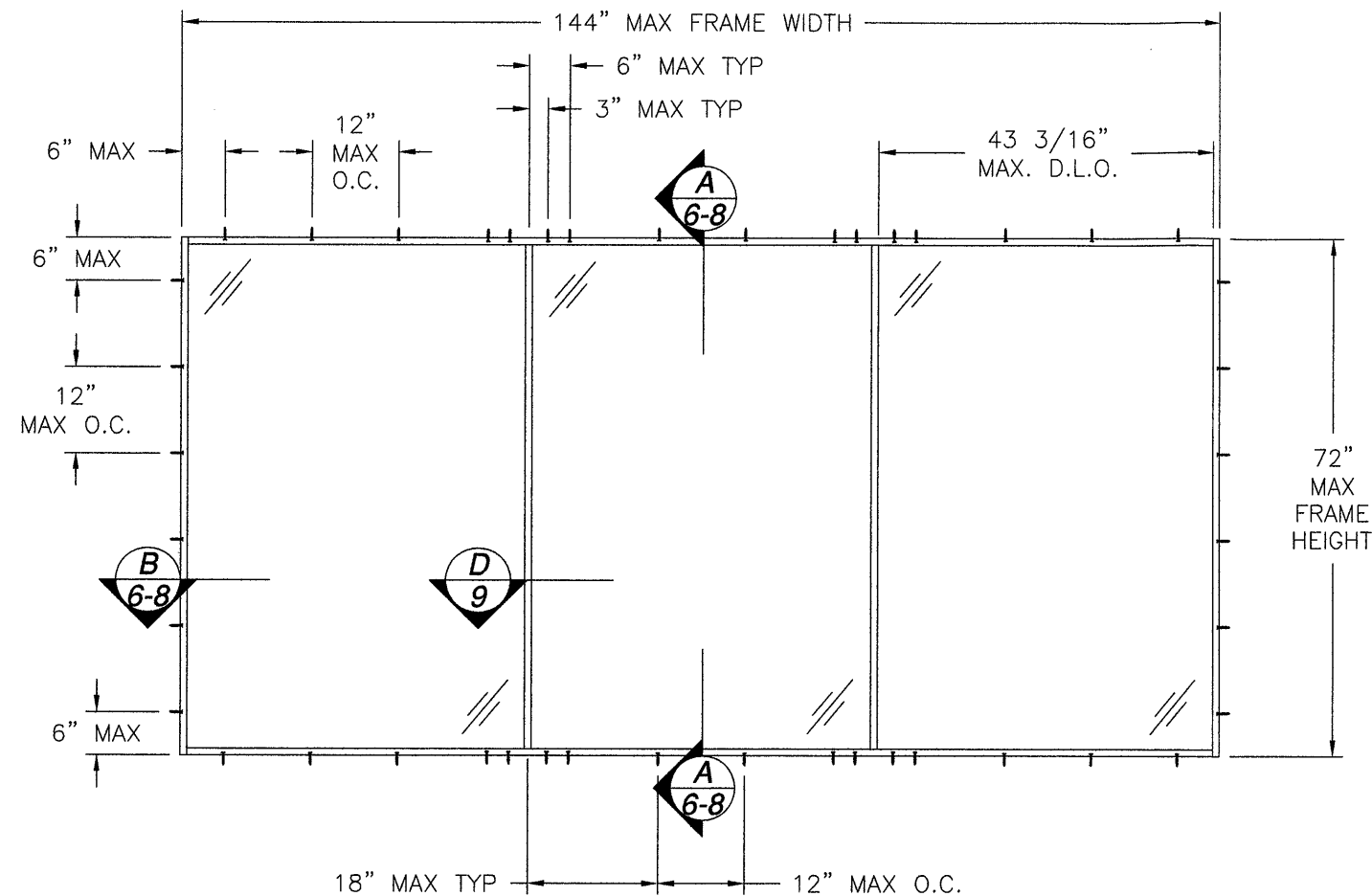
DATE 06/20/2012

SHEET 4 OF 9

Luis R. Lomas
11/01/12

Luis R. Lomas P.E.
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CALL OUTS	10/24/12	R.L.



Design pressure rating chart (psf)														
Frame Height (in)	Total Frame Width (in)													
	36.00		54.00		72.00		90.00		108.00		126.00		144.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
30.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
36.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
42.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
48.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0
54.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	124.7	70.0	120.0
60.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	114.3	70.0	105.5	70.0	100.0
66.0	70.0	125.0	70.0	125.0	70.0	125.0	70.0	112.9	70.0	100.0	70.0	91.4	70.0	85.7
72.0	70.0	125.0	70.0	125.0	70.0	120.0	70.0	101.1	70.0	88.9	70.0	80.7	70.0	75.0

9020 TRIPLE PICTURE WINDOW
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
+70.0/-75.0PSF	SMALL MISSILE IMPACT

MISSILE LEVEL A, WIND ZONE 4
WITH GLAZING A, B AND C

Approved as complying with the
Florida Building Code
Date Nov. 29, 2012
NOA# 12-0627-06
Miami Dade Product Control

By Manuel Perez

WinDoor

INCORPORATED

7500 AMSTERDAM DRIVE

ORLANDO, FL 32832

Phone: 407.481.8400

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www.windoorinc.com

9020 PICTURE WINDOW

SMALL MISSILE IMPACT

ELEVATIONS AND CHARTS

DRAWN:

A.P.

DWG NO.

08-01635

REV

A

SCALE

NTS

DATE

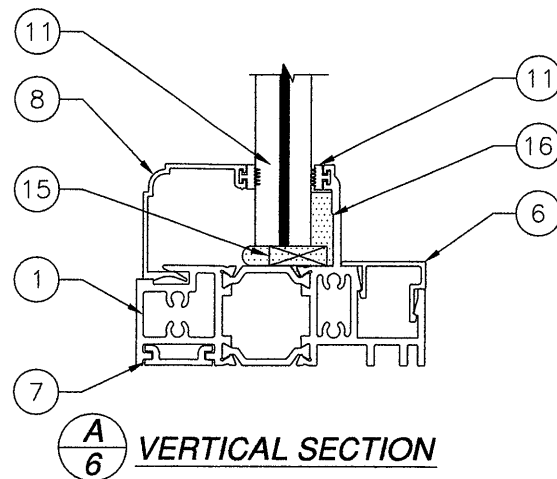
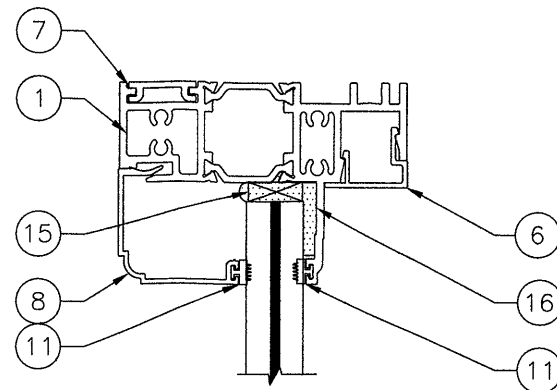
06/20/2012

SHEET

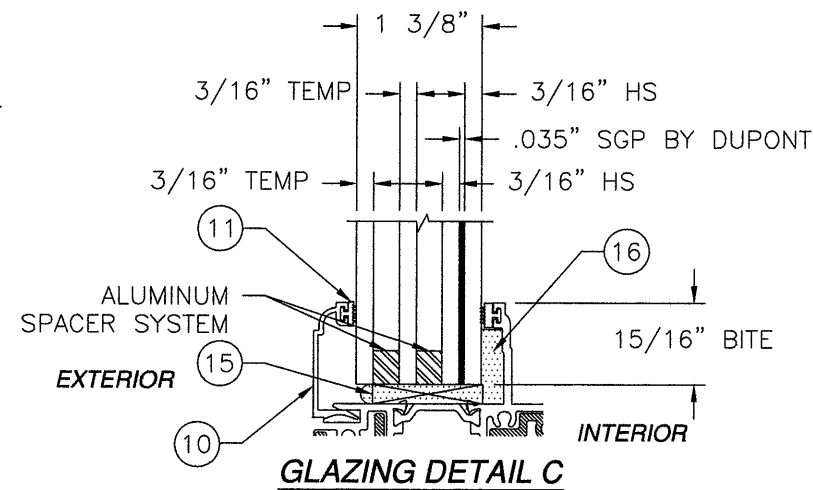
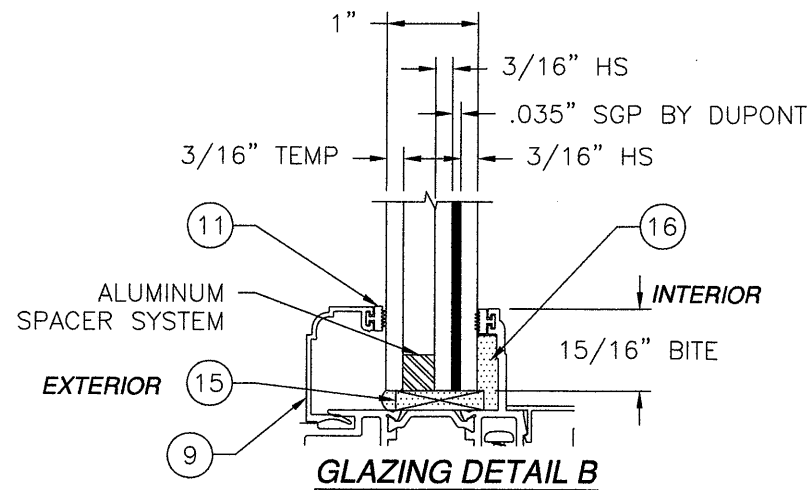
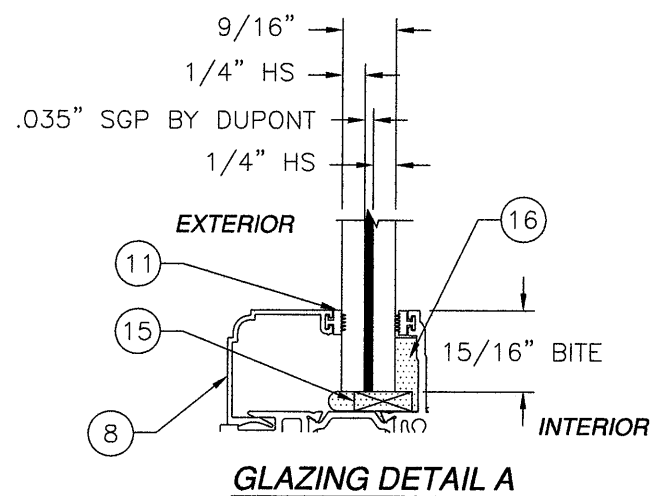
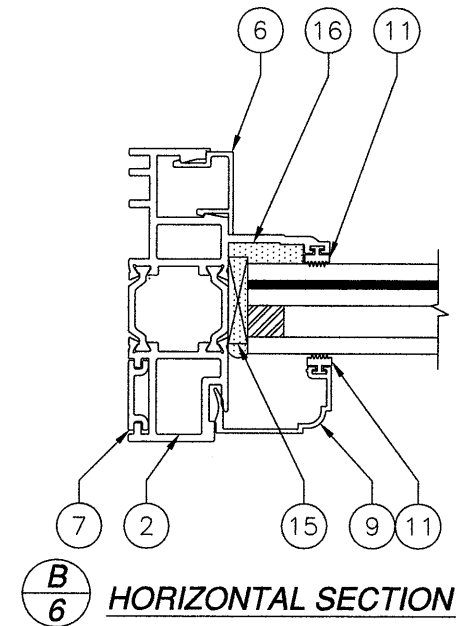
5 OF 9

Luis R. Lomas
11/01/12
Luis R. Lomas P.E.
Florida No. 62514

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	S-9020A1-WDI	FRAME HEAD AND SILL ASSEMBLY	KEYMARK	ALUMINUM 6063-T6
2	S-9020A2-WDI	FRAME JAMB ASSEMBLY	KEYMARK	ALUMINUM 6063-T6
3	S-9020A3-WDI	MULL ASSEMBLY	KEYMARK	ALUMINUM 6063-T6
4	FH-06559	MULL INTERIOR REINFORCEMENT	KEYMARK	ALUMINUM 6005-T6
5	FS-06558	MULL EXTERIOR REINFORCEMENT	KEYMARK	ALUMINUM 6005-T6
6	S-49328	SCREW COVER	KEYMARK	ALUMINUM 6063-T6
7	S-49330	FLUSH ADAPTOR	KEYMARK	ALUMINUM 6063-T6
8	S-49329	9/16" GLASS STOP	KEYMARK	ALUMINUM 6063-T6
9	S-46084	1" GLASS STOP	KEYMARK	ALUMINUM 6063-T6
10	S-46083	1 3/8" GLASS STOP	KEYMARK	ALUMINUM 6063-T6
11	GSVN-07A	GLAZING VINYL		
12	131014	#8x1" SCREW		STAINLESS STEEL
13		#8x1 3/4" SCREW		STAINLESS STEEL
14		#12x1" SCREW		STAINLESS STEEL
15	121000-12100E1	SETTING BLOCK		RUBBER
16	SIKA 552	URETHANE SEALANT		



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CALL OUTS	10/24/12	R.L.



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NOA# 12-0627-06
Miami Dade Product Control
By Manuel Piz

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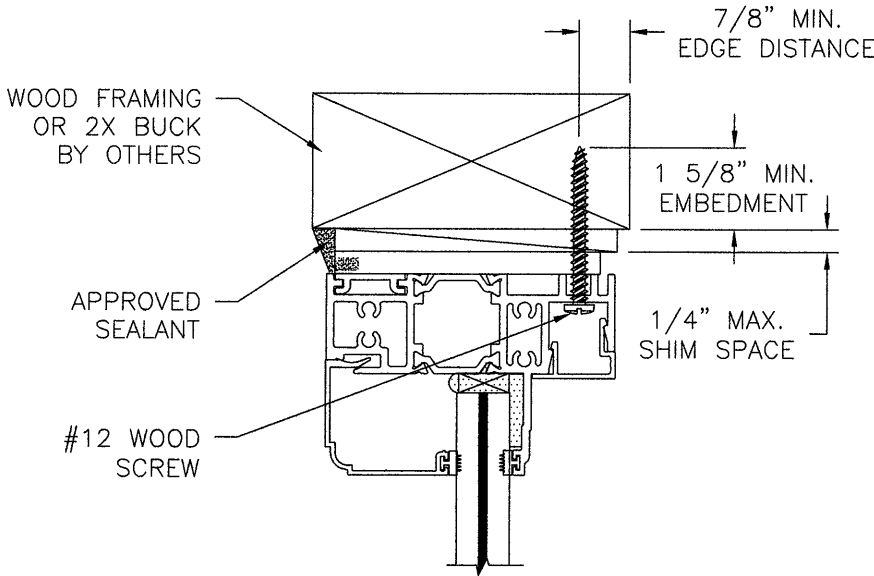
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

9020 PICTURE WINDOW
SMALL MISSILE IMPACT
CROSS SECTIONS AND B.O.M.

DRAWN: A.P.	DWG NO. 08-01635	REV A
SCALE NTS	DATE 06/20/2012	SHEET 6 OF 9

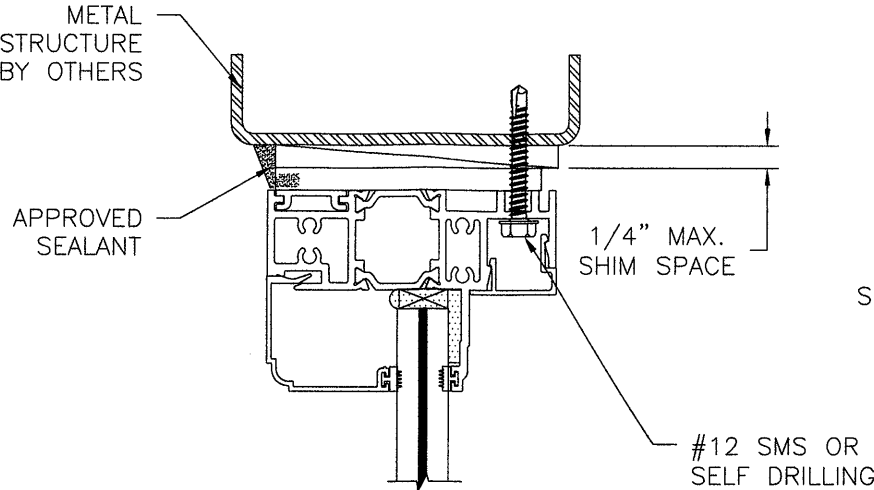
Luis R. Lomas
11/01/12
Luis R. Lomas P.E.
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CALL OUTS	10/24/12	R.L.



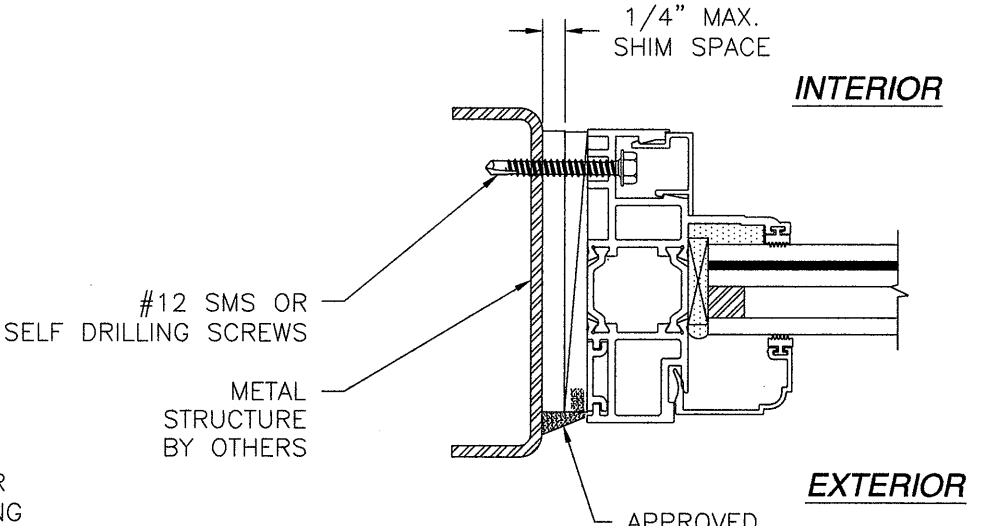
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INTERIOR

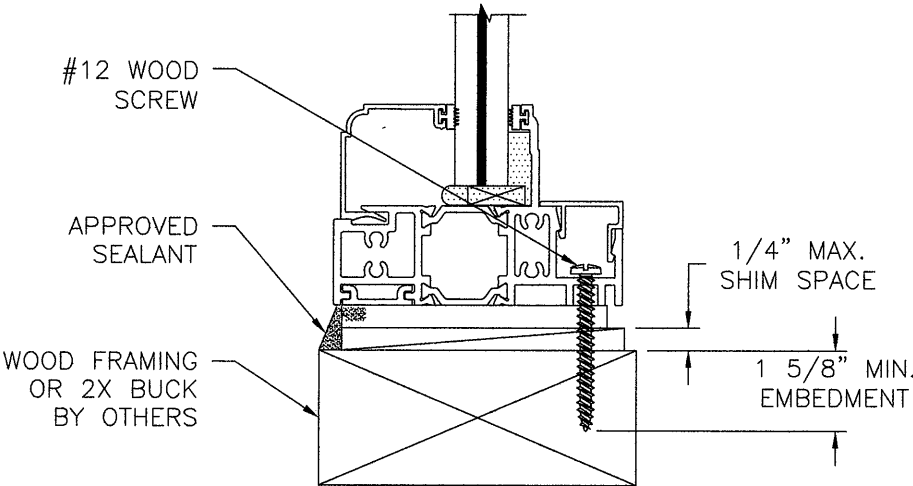


EXTERIOR

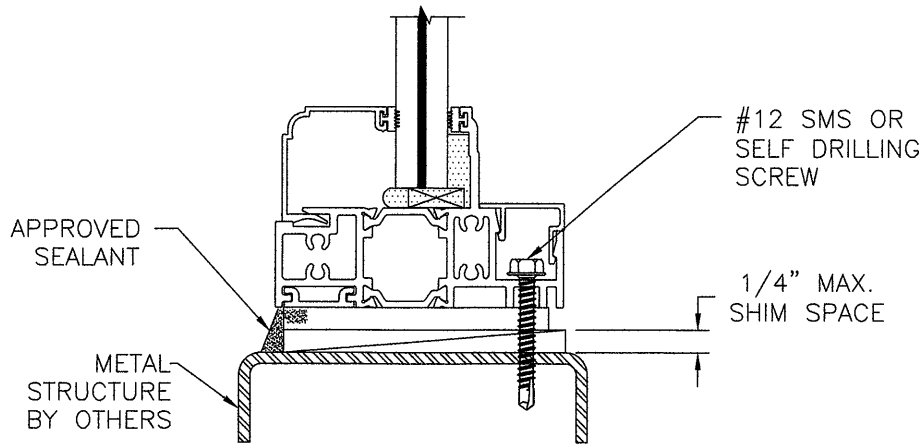
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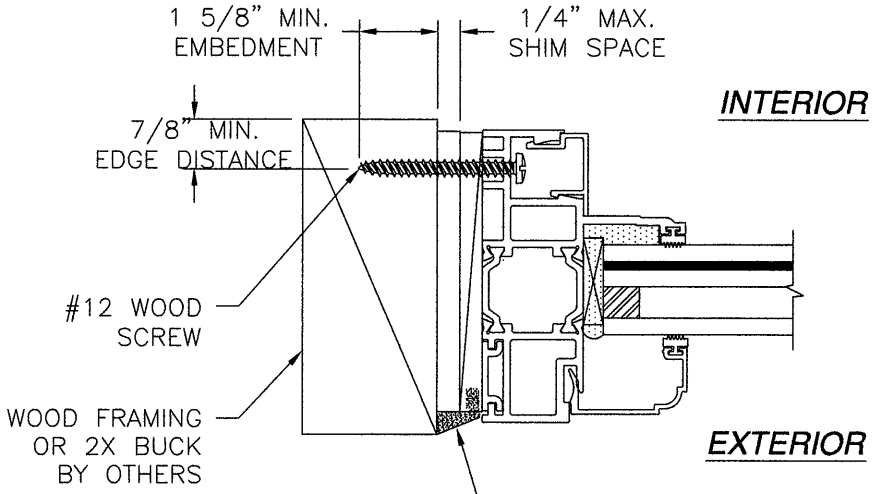
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7 JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



A
7 VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



A
7 VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



B
7 JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTE:
INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT
SHOWN FOR CLARITY.

Approved as complying with the
Florida Building Code
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Miami Dade Product Control

By Manuel Perez

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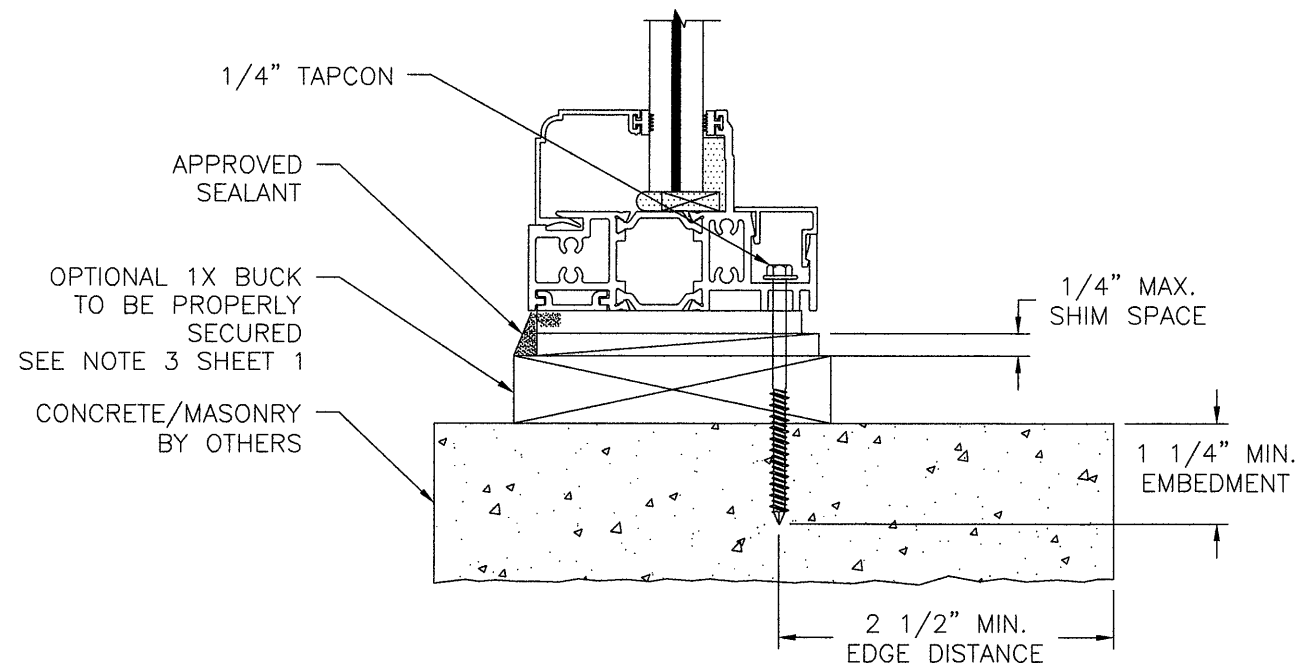
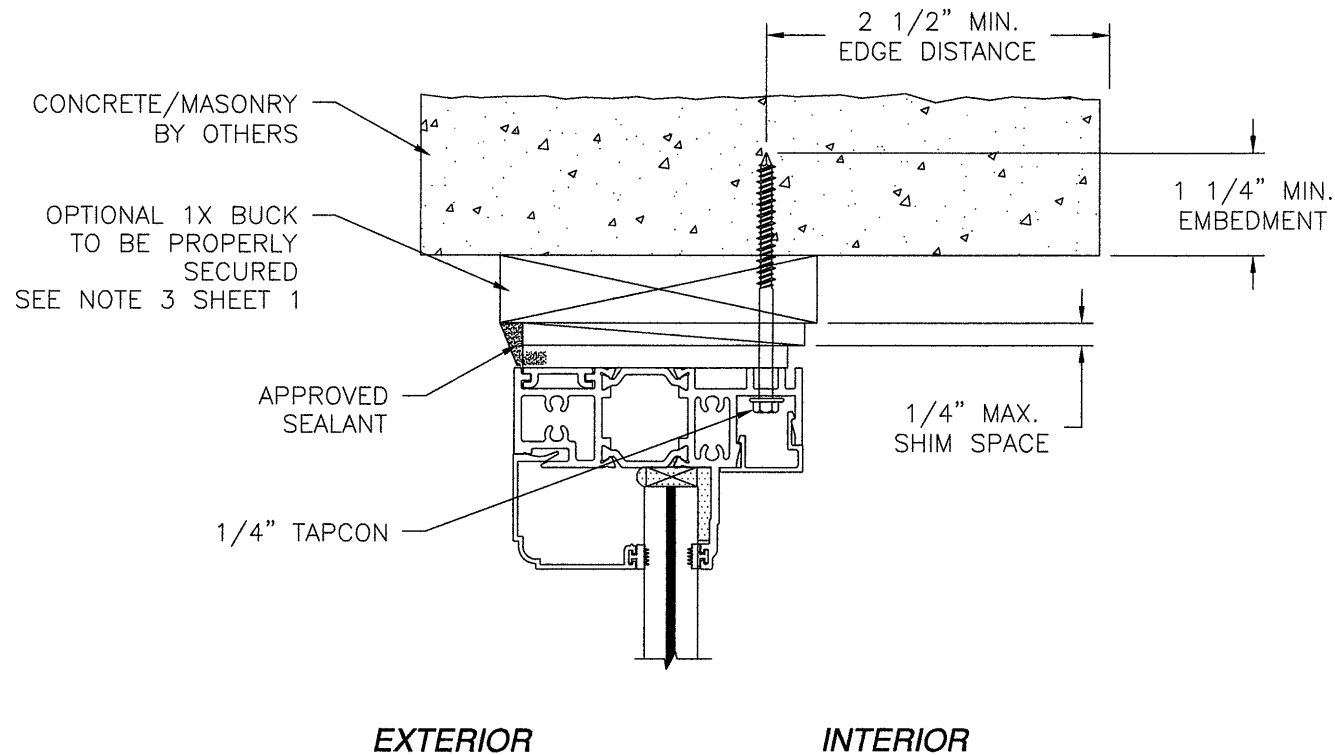
9020 PICTURE WINDOW
SMALL MISSILE IMPACT
INSTALLATIONS DETAILS

DRAWN: A.P.	DWG NO. 08-01635	REV A
SCALE NTS	DATE 06/20/2012	SHEET 7 OF 9

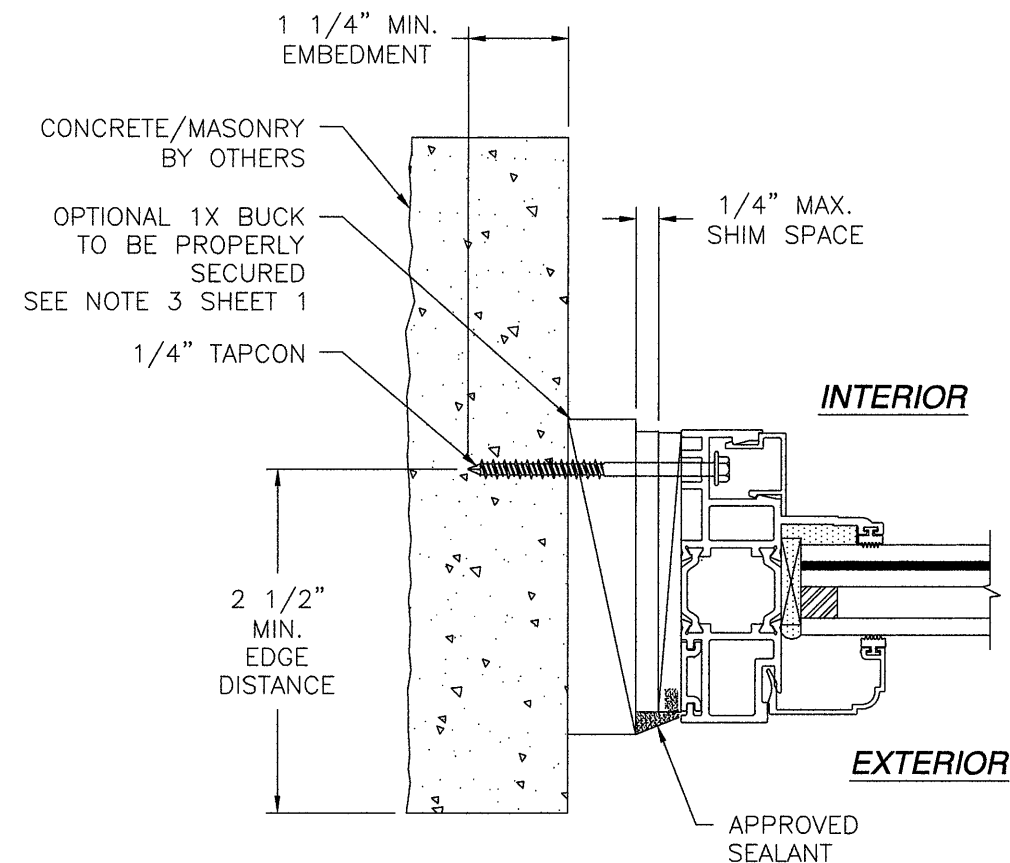
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11/01/12

Luis R. Lomas P.E.
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CALL OUTS	10/24/12	R.L.



A/8 VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



B/8 JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

NOTE:
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Date Nov. 29, 2012
NOA# 12-0627.06
Miami Dade Product Control
By Manuel Perez

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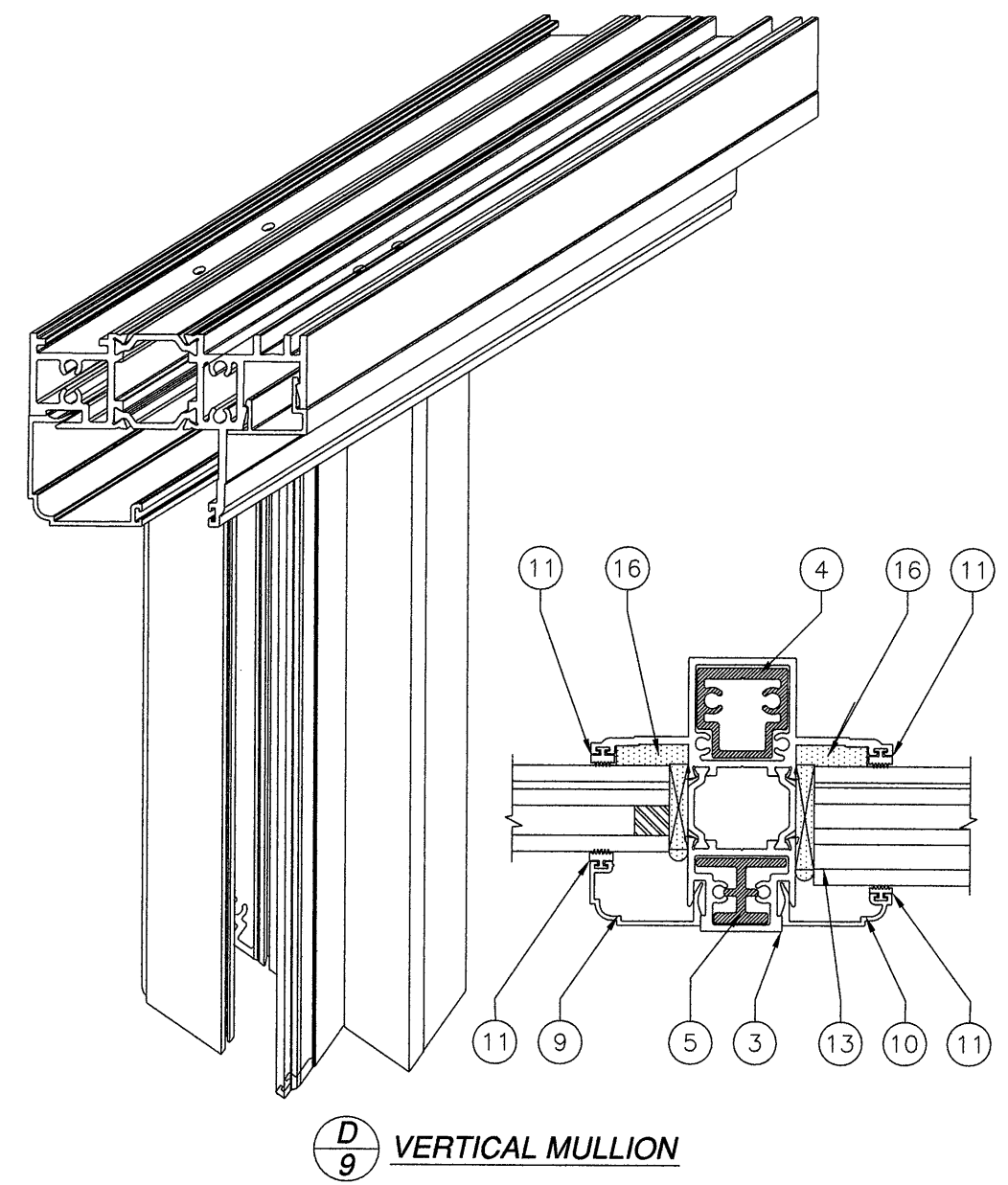
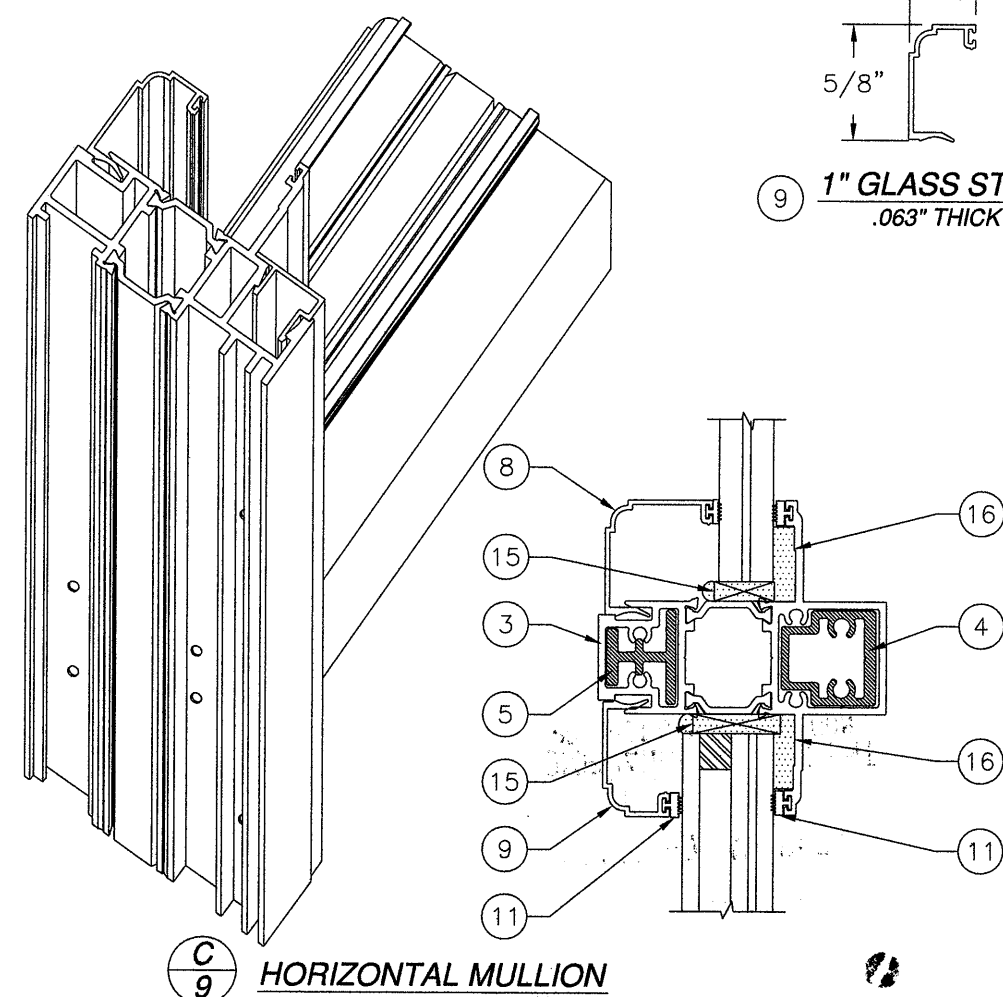
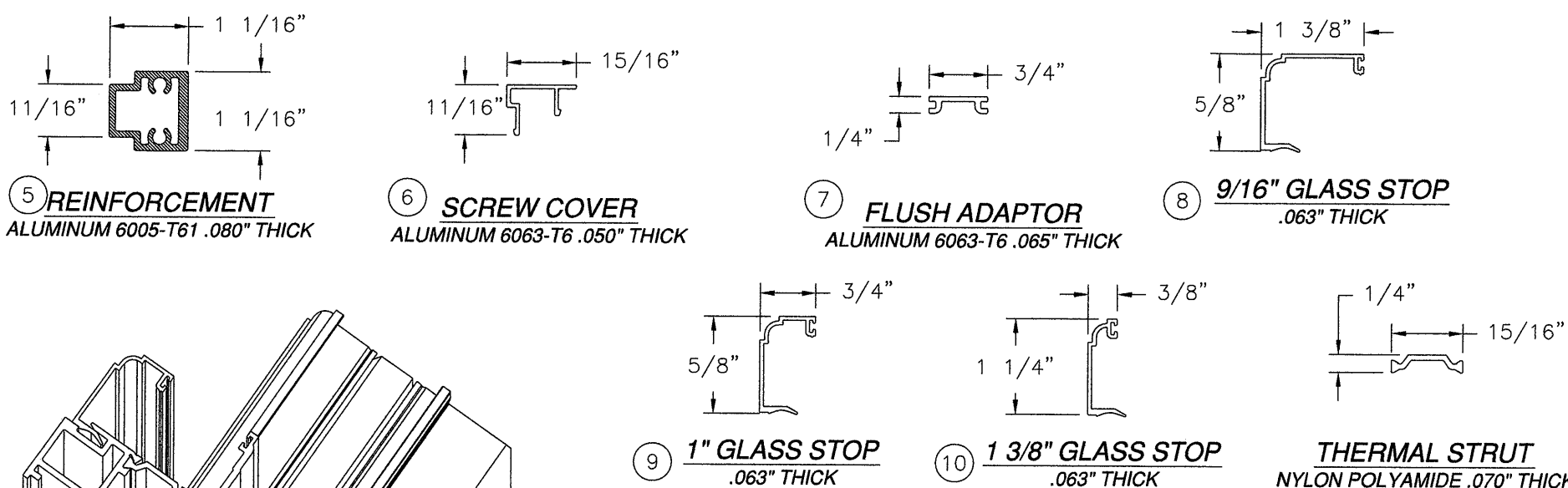
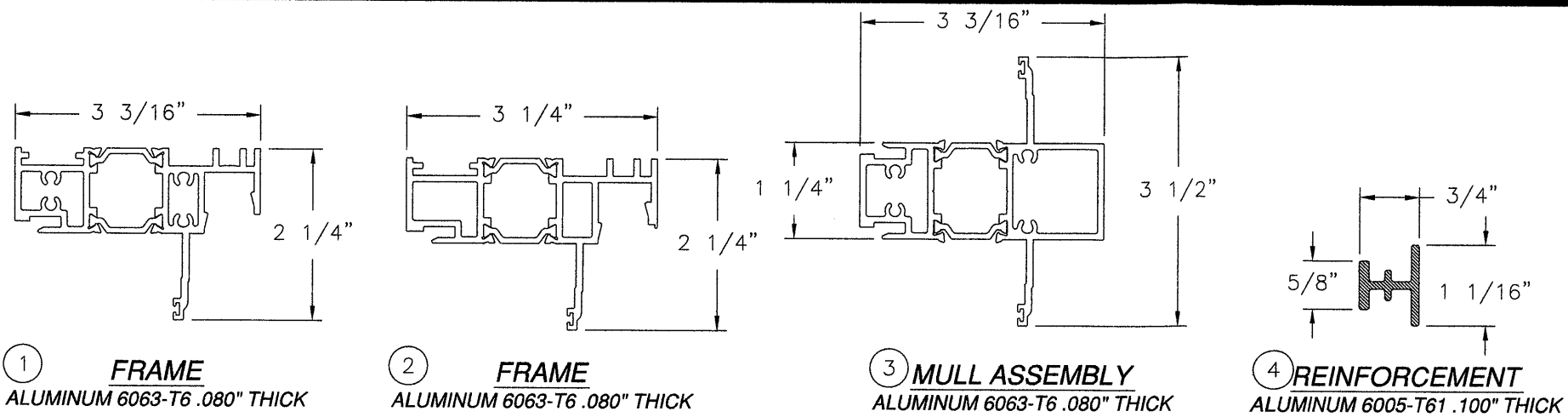
9020 PICTURE WINDOW
SMALL MISSILE IMPACT
INSTALLATIONS DETAILS

DRAWN: A.P.	DWG NO. 08-01635	REV A
SCALE NTS	DATE 06/20/2012	SHEET 8 OF 9

Luis R. Lomas
11/01/12

Luis R. Lomas P.E.
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED CALL OUTS	10/24/12	R.L.



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Miami Dade Product Control
By Manuel Perez

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9020 PICTURE WINDOW
SMALL MISSILE IMPACT
COMPONENTS

DRAWN: A.P.	DWG NO. 08-01635	REV A
SCALE NTS	DATE 06/20/2012	SHEET 9 OF 9

Luis R. Lomas
11/01/12

Luis R. Lomas P.E.
Florida No. 62514